



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Stephen Barone                              Examiner: TBA  
Serial No.: 10/713,132                              Group Unit: TBA  
Filed: November 14, 2003                              Docket: 708-5 PCT US DIV  
For: MOTION DETECTORS AND                              Dated: February 10, 2004  
          OCCUPANCY SENSORS WITH  
          IMPROVED SENSITIVITY, ANGULAR  
          RESOLUTION AND RANGE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to applicant's continuing duty of disclosure, it is respectfully requested that the disclosures cited in the annexed Form PTO-1449 be considered by the Examiner and made of record in the above-identified application.

As the above-referenced application was filed after June 30, 2003, copies of the listed United States patents are not required to be submitted with this Information Disclosure Statement. Copies of the foreign patent documents are provided in accordance with 37 C.F.R. §1.98(a)(2).

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 10, 2004.

Dated: February 10, 2004

  
Peter DeLuca

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

- This information disclosure statement is being filed within three (3) months of the filing date of this application.
- This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.
- To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.
- Enclosed herewith is a certificate under 37 C.F.R. §1.97(e)(1).
- Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(ii).
- Enclosed by check is the petition fee of \$130.00. (37 C.F.R. §1.17(i)(1))
- Please charge the \$130.00 petition fee to Deposit Account No. **50-2140.**



- [ ] Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).
- [ ] Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to Deposit Account No. 50-2140.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-2140. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-2140 therefor. **TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.**

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "P. DeLuca".

Peter DeLuca  
Reg. No. 32,978  
Attorney for Applicant(s)

*Carter, DeLuca, Farrell & Schmidt, LLP*  
445 Broad Hollow Road  
Suite 225  
Melville, New York 11747  
Tel.: (631) 501-5713  
Fax: (631) 501-3526

PD/dag



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		708-5 PCT US DIV	10/713,132
		Applicant	Stephen Barone
(Use several sheets if necessary)		Filing Date	Group Art Number
		November 14, 2003	TBA

### U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	3,036,219	05/22/62	A.V. Thompson			
	3,524,180	08/11/70	P.M. Cruse			
	3,631,434	12/28/71	Schwarz			
	3,703,718	11/21/72	Berman			
	3,886,360	05/27/75	Reiss et al.			
	3,958,118	05/18/76	Schwarz			
	4,122,427	10/78	Karsh			
	4,321,594	03/23/82	Galvin et al.			
	4,342,987	08/03/82	Rossin			
	4,404,468	09/13/83	Kleinschmidt			

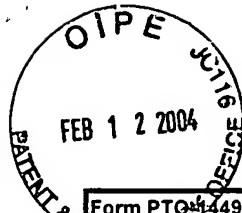
### FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	0 050 750	05/05/82	EPO				
	0 050 751	05/05/82	EPO				
	0 256 651	02/24/88	EPO				
	0 358 929	03/21/90	EPO				
	DE 3615946 A1	11/19/87	Germany				

### OTHER DOCUMENTS


Examiner	Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



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## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

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708-5 PCT US DIV	10/713,132
Applicant	Stephen Barone
Filing Date	Group Art Number
November 14, 2003	TBA

### U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	4,420,688	12/13/83	LeBars			
	4,429,223	01/31/84	Wagli			
	4,429,224	01/31/84	Wagli et al.			
	4,442,359	04/10/84	Lederer			
	4,604,524	08/86	Kotlicki et al.			
	4,661,720	04/87	Cameron, Jr., et al.			
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	4,768,020	08/30/88	Chen			
	4,779,240	10/88	Dorr			
	4,876,445	10/24/89	McMaster			
	4,912,331	03/27/90	Owers			

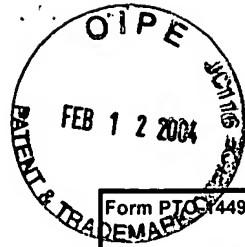
### FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	G 87 12 893.4	01/07/88	Germany				
	DE 3803277 A1	08/17/89	Germany				
	DE 390676 A1	09/21/89	Germany				
	54 998	01/06/79	Japan				
	3 95480	04/16/91	Japan				

### OTHER DOCUMENTS


Examiner \_\_\_\_\_ Date Considered \_\_\_\_\_

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## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
708-5 PCT US DIV	10/713,132
Applicant	Stephen Barone
Filing Date November 14, 2003	Group Art Number TBA

### U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
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	5,189,393	02/93	Hu			
	5,266,807	11/30/93	Neiger			
	5,308,985	05/03/94	Lee			
	5,406,083	04/95	Sandell et al.			
	5,453,622	09/95	Sandell et al.			
	5,491,467	01/13/96	Tracy et al.			
	5,557,106	09/96	loco			
	5,640,143	06/97	Myron et al.			
	5,757,004	05/98	Sandell et al.			
	5,764,146	06/98	Baldwin et al.			
	5,834,765	11/98	Ashdown			
	5,886,821	03/99	Sohn			
	5,915,332	06/99	Young et al.			

### FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 92/10819	06/25/92	WIPO				
	WO 98/11521	03/19/98	WIPO				
	06294865	10/21/94	JP				
	WO 99/40453	08/12/99	WIPO				
	2 299 405	10/02/96	UK				

### OTHER DOCUMENTS


Examiner \_\_\_\_\_ Date Considered \_\_\_\_\_

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	<b>Docket Number (Optional)</b>  708-5 PCT US DIV	<b>Application Number</b>  10/713,132
	<b>Applicant</b>  Stephen Barone	
	<b>Filing Date</b>  November 14, 2003	<b>Group Art Number</b>  TBA

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 93/19385	09/30/93	WIPO				
	WO 88/04038 A	06/02/88	WIPO				
	EP 0 501 253 A	09/02/92	EPO				
	CA 2,315,846	02/03	Canada				

## **OTHER DOCUMENTS**


<b>Examiner</b>	<b>Date Considered</b>
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